

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-003436**Date Inspected:** 23-Jun-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Mr. Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** OBG**Bid Item:** 77, 78, 79**Lot No:** B#204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE Coating inspector, Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA coating inspector observed the following:

An inspection was requested on the Cross beam CB 18 External surface for MEK test and CB-19, External surfaces for Surface preparation after Primer coat, Salt test and MEK test, vide inspection request no. 7049. This QA inspector observed, ABF Inspectors Mr. Shi Stone and Mr. Wei found inspecting these surfaces and found Accepted for Mist coat. CB 18 -MEK test carried out in 1 place found to be in Gr. 5. CB -19 -MEK test carried out in 3 places found to be Gr. 5, Salt test in one place found to be 10 us/cm. MEK and Salt test results found to be acceptable as per contract documents. Ambient conditions found measured by ZPMC QC Inspectors which is 6.4 deg. celcius above dew point and the relative humidity found to be 72.7 %, which is acceptable as per contract documents. International protective coatings technical service representative Mr.Li peng found present during the course of this inspection process for Technical discussion.

An inspection was requested on the Misc. splices -566 nos and Lift Frame accessories, A3, A4 -349 nos, vide inspection request no. 7050 for DFT Check. This QA inspector observed, ABF Inspectors Mr. Shi Stone and Mr. Wei found inspecting these surfaces and found rejected for Holidays and Low DFT in some areas. DFT Inspection was found offered again, vide notification no. 7051, and found accepted by ABF Inspectors after minor touch ups. International protective coatings technical service representative Mr. Li Peng found present during the course of this inspection process for Technical discussion.

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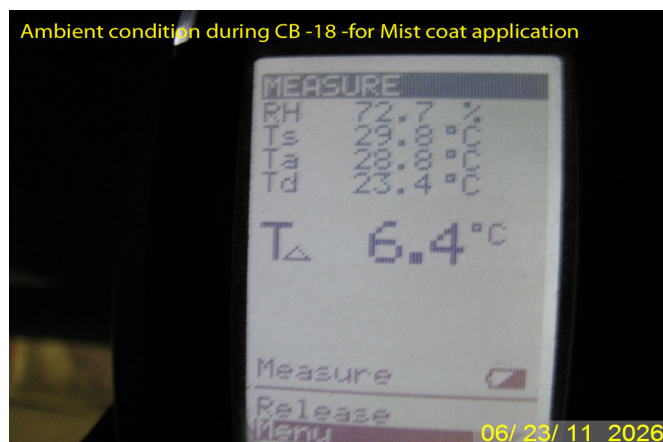
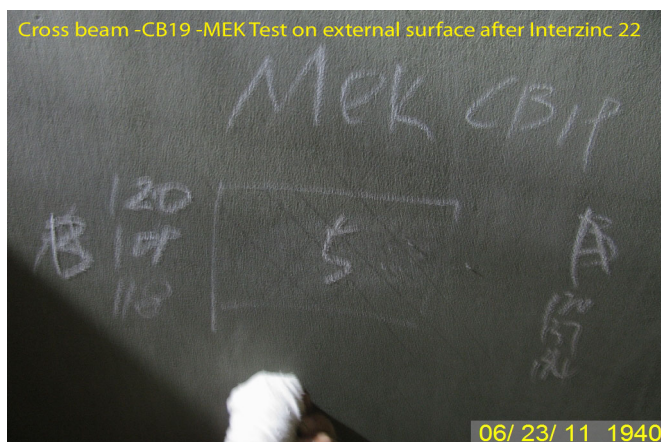
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An inspection was requested on the Lift 13W Internal East section floor and Vertical of floor beam from PP 120 to PP 122 for Surface preparation , Inspection request no. 7052. This QA Inspector observed ABF Inspectors Mr. Shi stone and Mr. Wei found inspecting these surfaces and accepted these surfaces after minor blasting in some of the areas. Salt test at 4 places and profile test at 3 places on the Blasted surfaces found carried out by ZPMC QC Inspectors and the results are found to be 11.3 us/cm to 52.3 us/cm and 70 to 84 microns respectively which is acceptable as per contract documents. Ambient conditions found measured by ZPMC QC Inspectors which is 4.7 deg. celcius above dew point and the relative humidity found to be 73.3 %, which is acceptable as per contract documents. International protective coatings technical service representative Mr. Li Peng found present during the course of this inspection process for Technical discussion.

An inspection was requested on the Lift 13E External both side plate and edge plate sections from PP 1117.5 to PP 124.5 for Surface preparation and VT Inspection , Inspection request no. 7053. This QA Inspector observed ABF Inspectors Mr. Shi stone and Mr. Wei found inspecting these surfaces and Rejected these surfaces for Poor profile in most of the areas and Incomplete Blasting, International protective coatings technical service representative Mr. Li Peng found present during the course of this inspection process for Technical discussion.

For further informations, Please see the pictures below,

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



### Summary of Conversations:

No Relevant Conversation

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Thomas Hu (15002048250), who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Baskar,Govindarajan	Quality Assurance Inspector
<b>Reviewed By:</b>	Clifford,William	QA Reviewer

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